

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/051679

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D221/12 C07D401/12 C07D407/12 A61K31/473

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data, EMBASE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 97/28131 A (BYK GULDEN LOMBERG CHEM FAB ;GUTTERER BEATE (DE)) 7 August 1997 (1997-08-07) cited in the application page 1, line 1 - page 2, line 11; claim 1; table A	1-11
Y	WO 97/35854 A (BYK GULDEN LOMBERG CHEM FAB ;GUTTERER BEATE (DE)) 2 October 1997 (1997-10-02) cited in the application page 1, line 1 - page 2, line 16; claim 1; table A  ----- -/--	1-11



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

8 December 2004

Date of mailing of the international search report

22/12/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Usueli, A

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/051679

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 99/05113 A (BYK GULDEN LOMBERG CHEM FAB ;GUTTERER BEATE (DE)) 4 February 1999 (1999-02-04) cited in the application page 1, line 1 - page 2, line 29; claim 1; table A	1-11
Y	WO 00/42018 A (BYK GULDEN LOMBERG CHEM FAB ;GUTTERER BEATE (DE)) 20 July 2000 (2000-07-20) cited in the application page 1, line 1 - page 3, line 12; claim 1; table A	1-11
Y	WO 00/42034 A (BYK GULDEN LOMBERG CHEM FAB ;GUTTERER BEATE (DE)) 20 July 2000 (2000-07-20) page 1, line 1 - page 2, line 16; claim 1; table A	1-11
Y	WO 02/05616 A (BYK GULDEN LOMBERG CHEM FAB ;GUTTERER BEATE (DE)) 24 January 2002 (2002-01-24) page 1, line 1 - page 2, line 35; claim 1; table A	1-11

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP2004/051679

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
  
Although claims 10, 11 are directed to a method of treatment of the human/animal body (Article 52(4) EPC), the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/051679

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9728131	A	07-08-1997	DE 19603321 A1	07-08-1997
			AT 233735 T	15-03-2003
			AU 707058 B2	01-07-1999
			AU 1719997 A	22-08-1997
			BR 9707233 A	20-07-1999
			CA 2245142 A1	07-08-1997
			CN 1214681 A , C	21-04-1999
			CZ 9802414 A3	16-12-1998
			DE 59709437 D1	10-04-2003
			DK 882021 T3	23-06-2003
			EA 1205 B1	25-12-2000
			EE 9800223 A	15-12-1998
			WO 9728131 A1	07-08-1997
			EP 0882021 A1	09-12-1998
			ES 2194180 T3	16-11-2003
			HU 9900666 A2	28-06-1999
			IL 125286 A	14-08-2002
			JP 2000503996 T	04-04-2000
			NO 983505 A	11-09-1998
			NZ 331374 A	28-01-2000
			PL 328019 A1	04-01-1999
			PT 882021 T	31-07-2003
			SI 882021 T1	31-10-2003
			SK 102498 A3	10-03-1999
			US 6191138 B1	20-02-2001
WO 9735854	A	02-10-1997	DE 19613091 A1	09-10-1997
			AT 224386 T	15-10-2002
			AU 718752 B2	20-04-2000
			AU 2291097 A	17-10-1997
			CA 2250569 A1	02-10-1997
			DE 59708265 D1	24-10-2002
			DK 889886 T3	20-01-2003
			WO 9735854 A1	02-10-1997
			EP 0889886 A1	13-01-1999
			ES 2184077 T3	01-04-2003
			JP 2000507256 T	13-06-2000
			PT 889886 T	28-02-2003
			SI 889886 T1	28-02-2003
			US 6127378 A	03-10-2000
WO 9905113	A	04-02-1999	AT 228507 T	15-12-2002
			AU 756349 B2	09-01-2003
			AU 9154698 A	16-02-1999
			CA 2297911 A1	04-02-1999
			DE 69809754 D1	09-01-2003
			DE 69809754 T2	18-09-2003
			DK 1000035 T3	17-03-2003
			EE 200000032 A	16-10-2000
			WO 9905113 A1	04-02-1999
			EP 1000035 A1	17-05-2000
			ES 2189235 T3	01-07-2003
			HU 0003311 A2	28-03-2001
			JP 2001510827 T	07-08-2001
			PL 338452 A1	06-11-2000
			PT 1000035 T	30-04-2003
			US 6121279 A	19-09-2000

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/051679

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0042018	A	20-07-2000	AU 2904300 A	01-08-2000
			CA 2360386 A1	20-07-2000
			WO 0042018 A1	20-07-2000
			EP 1163226 A1	19-12-2001
			JP 2002534506 T	15-10-2002
			US 6534518 B1	18-03-2003
<hr/>				
WO 0042034	A	20-07-2000	AU 2290000 A	01-08-2000
			CA 2359449 A1	20-07-2000
			WO 0042034 A1	20-07-2000
			EP 1147103 A1	24-10-2001
			JP 2003502278 T	21-01-2003
			US 6534519 B1	18-03-2003
<hr/>				
WO 0205616	A	24-01-2002	AU 8196501 A	30-01-2002
			WO 0205616 A1	24-01-2002
<hr/>				